

# High-Frequency SMT Balun Adaptor

Ruggedized

**PulseR**  
Ruggedized Solutions



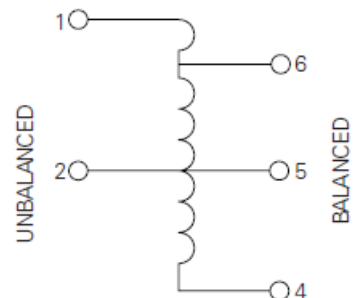
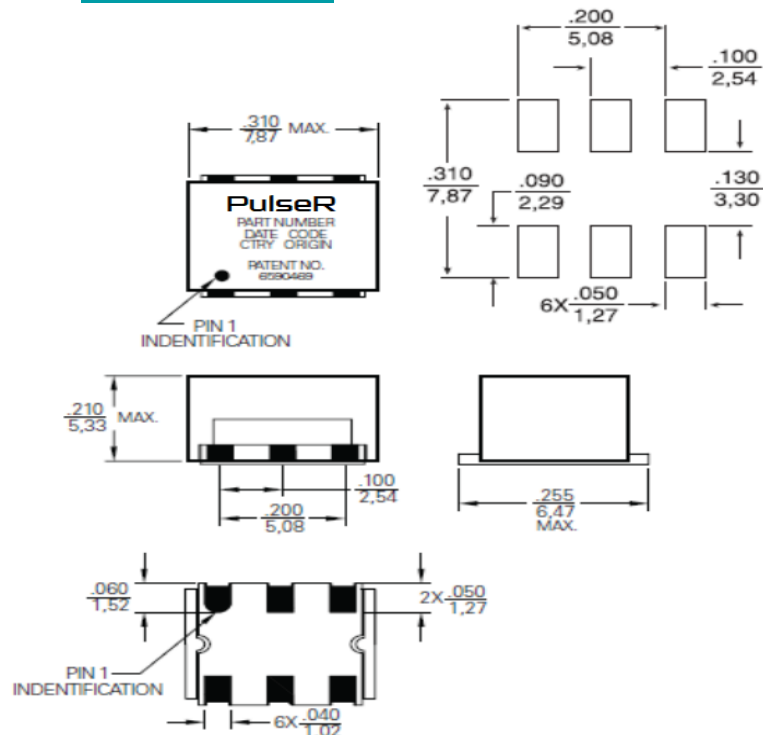
- R** Transforms a balanced differential signal to a 50  $\Omega$  or 75  $\Omega$ , Grounded unbalanced signal
- R** Wide bandwidth 1.0 MHz – 1.485 GHz
- R** Operating Temperature -40°C to 85°C.
- R** Moisture Sensitivity Level: 3

| Characteristics |                      |                    |                                                |                                             |
|-----------------|----------------------|--------------------|------------------------------------------------|---------------------------------------------|
| Part Number     | Impedance Unbalanced | Impedance Balanced | Insertion Loss (dB MAX)<br>1.0 MHz - 1.485 GHz | Return Loss (dB MIN)<br>1.0 MHz - 1.485 GHz |
| T-050150        | 50                   | 150                | -2                                             | 12 dB                                       |
| T-050100        | 50                   | 100                | -2                                             | 12 dB                                       |
| T-050078        | 50                   | 78                 | -2                                             | 12 dB                                       |
| T-075100        | 75                   | 100                | -2                                             | 12 dB                                       |

## Mechanical

## Schematic

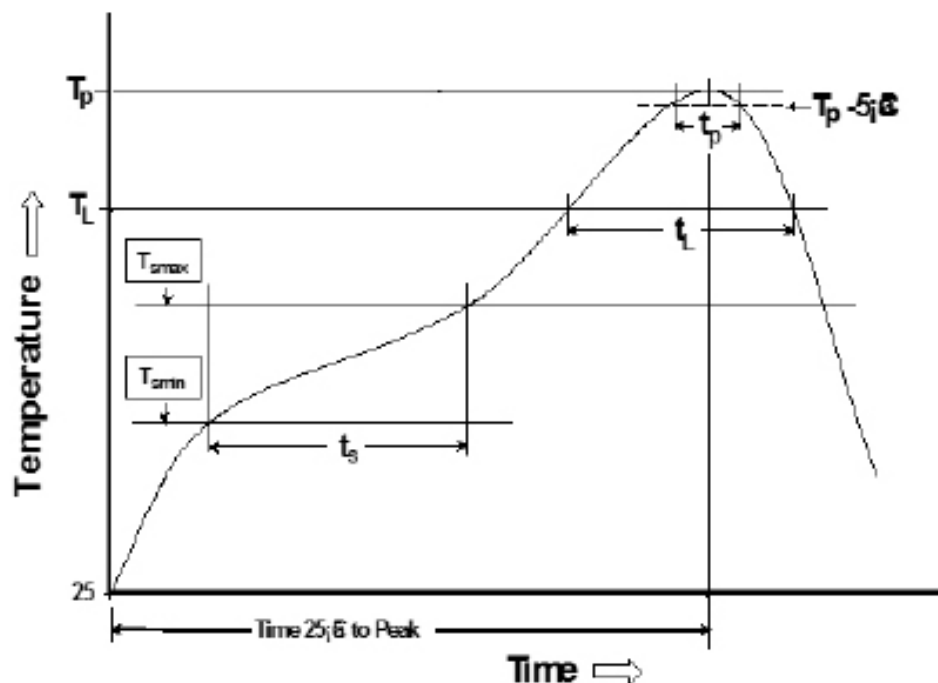
T-050XXX



### Notes:

1. Weight..... 0.8gm
2. Pan/Tube Size= 65

## Tin/Lead Recommended Reflow Profile (Based on J-STD-020D)



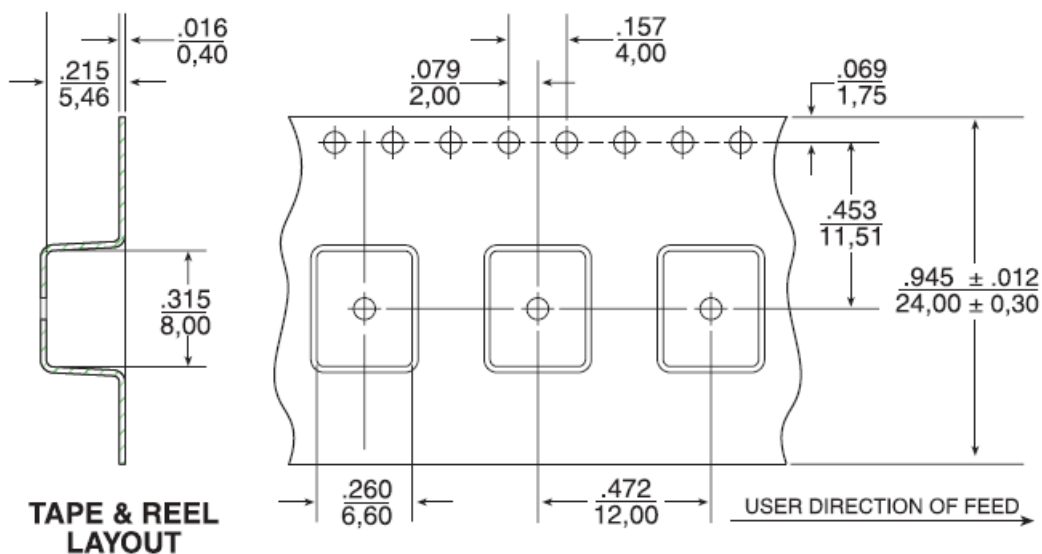
| $T_{SMIN}$<br>(°C) | $T_{SMAX}$<br>(°C) | $T_L$<br>(°C) | $T_P$<br>(°C MAX) | $t_S$<br>(s) | $t_L$<br>(s) | $t_P$<br>(s MAX) | Ramp-up rate<br>( $T_L$ to $T_P$ ) | Ramp-down rate<br>( $T_P$ to $T_L$ ) | Time<br>25°C to peak temperature<br>(s MAX) |
|--------------------|--------------------|---------------|-------------------|--------------|--------------|------------------|------------------------------------|--------------------------------------|---------------------------------------------|
| 100                | 150                | 183           | 235               | 60-120       | 60-150       | 20               | 3°C/s MAX                          | 6°C/s MAX                            | 360                                         |

### Notes:

1. All temperatures measured on the package leads.
2. Maximum times of reflow cycle: 2.

## Tape & Reel Specifications

T-050XXX1



### For More Information

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